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<b>TRANSMITTAL LETTER TO THE UNITED STATES          DESIGNATED/ELECTED OFFICE (DO/EO/US)          CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 04-40018-US1 U.S. APPLICATION NO. (If known, see 37 CFR 1.5) Not Yet Assigned
INTERNATIONAL APPLICATION NO. PCT/US2005/001319	INTERNATIONAL FILING DATE January 18, 2005	PRIORITY DATE CLAIMED January 15, 2004
TITLE OF INVENTION MODULATION OF LINE-1 REVERSE TRANSCRIPTASE		
APPLICANT(S) FOR DO/EO/US BONDAREV, Igor E. and BERTRAM, John S.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

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U.S. APPLICATION NO. (If known, see 37 CFR 1.51) Not Yet Assigned	INTERNATIONAL APPLICATION NO. PCT/US2005/001319	ATTORNEY'S DOCKET NUMBER 04-40018-US1
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20. Other items or information:

PCT Publication No. WO 2005/069880, Unexecuted Declaration/Power of Attorney, Return Receipt Postcard

The following fees have been submitted	CALCULATIONS	PTO USE ONLY																
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300	\$ 300.00																	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))																		
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0	\$ 200.00																	
All other situations..... \$200																		
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))																		
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0																		
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100	\$ 100.00																	
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400																		
All other situations..... \$500																		
<b>TOTAL OF 21, 22 and 23 =</b>	<b>600.00</b>																	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Total Sheets</th> <th style="width: 15%;">Extra Sheets</th> <th style="width: 30%;">Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th style="width: 40%;">RATE</th> </tr> </thead> <tbody> <tr> <td>- 100 =</td> <td>/50 =</td> <td>1.22</td> <td>x \$250</td> </tr> </tbody> </table>	Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	- 100 =	/50 =	1.22	x \$250										
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE															
- 100 =	/50 =	1.22	x \$250															
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).	\$ 130.00																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CLAIMS</th> <th style="width: 15%;">NUMBER FILED</th> <th style="width: 15%;">NUMBER EXTRA</th> <th style="width: 40%;">RATE</th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>20 - 20 =</td> <td>0</td> <td>x \$ 50</td> </tr> <tr> <td>Independent claims</td> <td>4 - 3 =</td> <td>1</td> <td>x \$200</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ \$360</td> </tr> </tbody> </table>	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	20 - 20 =	0	x \$ 50	Independent claims	4 - 3 =	1	x \$200	MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360		
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE															
Total claims	20 - 20 =	0	x \$ 50															
Independent claims	4 - 3 =	1	x \$200															
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360															
<b>TOTAL OF ABOVE CALCULATIONS =</b>	<b>\$ 930.00</b>																	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.																		
<b>SUBTOTAL =</b>	<b>\$ 465.00</b>																	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).	\$																	
<b>TOTAL NATIONAL FEE =</b>	<b>\$ 465.00</b>																	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property	\$																	
<b>TOTAL FEES ENCLOSED =</b>	<b>\$ 465.00</b>																	
	Amount to be refunded:	\$																
	Amount to be charged	\$																

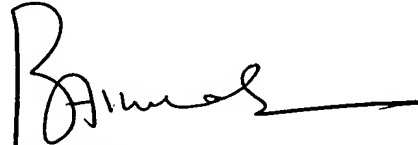
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- 10/586434  
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- a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 18-0586. A duplicate copy of this sheet is enclosed.
- d. ☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Stanley P. Fisher  
Reed Smith LLP  
3110 Fairview Park Drive  
Suite 1400  
Falls Church, VA 22042



SIGNATURE

Nanda P.B.A. Kumar

NAME

44,853

REGISTRATION NUMBER

10/586434

ReedSmith

AP20 Rec'd PCT/PTO 17 JUL 2006

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July 17, 2006

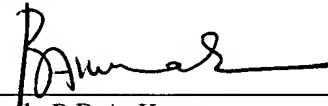
Mail Stop PCT  
Attention: PCT Legal  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: New Utility Patent Application  
Inventors: Bondarev *et al.*  
Applicant: ALT Solutions, Inc.  
For: Modulation of Line-1 Reverse Transcriptase  
Docket No. 04-40018-US1 (501661.20001)

Dear Sir:

1. Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371 (Form PTO-1390);
2. International Publication WO 2005/069880;
3. Preliminary Amendment;
4. Unexecuted Declaration and Power of Attorney (3 pages);
5. Credit Card Payment Form in the amount of \$465.00; and
6. Return Receipt Postage Prepaid Postcard.

Respectfully submitted,

  
Nanda P.B.A. Kumar  
Registration No. 44,853  
Attorney for Applicant

**EXPRESS MAIL CERTIFICATE**

Express Mail Label No. EV 482560420 US

Date of Deposit July 17, 2006

I hereby certify that this paper, and the papers and/or fees referred to herein as transmitted, submitted or enclosed, are being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" on the date indicated above and is addressed to MAIL STOP PCT, Attention PCT Legal, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Name: Cody M. McAtee

Signature 

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